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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/532,604	04/25/2005	Hirofumi Aoki	Q87662	5668
23373 SLICHDLIE M	7590 06/29/2007		EXAMINER	
2100 PENNSY	SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W.		MULCAHY, PETER D	
SÚITE 800 WASHINGTO	DN. DC 20037		ART UNIT PAPER NUMBER 1713	
	, 50 2000	•		
			MAIL DATE	DELIVERY MODE
•			06/29/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/532,604	AOKI, HIROFUMI	AOKI, HIROFUMI	
Office Action Summary	Examiner	Art Unit		
	Peter D. Mulcahy	1713		
The MAILING DATE of this communication ap	ppears on the cover sheet w	vith the correspondence addr	ess	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING [In the state of th	DATE OF THIS COMMUN. 136(a). In no event, however, may a d will apply and will expire SIX (6) MC te, cause the application to become A	IICATION. A reply be timely filed  ONTHS from the mailing date of this commandate of this		
Status				
Responsive to communication(s) filed on 25 \( \)      This action is <b>FINAL</b> . 2b) □ Th      Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal ma		nerits is	
Disposition of Claims				
4)  Claim(s) 1-3 is/are pending in the application. 4a) Of the above claim(s) is/are withdra 5)  Claim(s) is/are allowed. 6)  Claim(s) 1-3 is/are rejected. 7)  Claim(s) is/are objected to. 8)  Claim(s) are subject to restriction and/	awn from consideration.			
Application Papers				
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	cepted or b) objected to drawing(s) be held in abeyaction is required if the drawin	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR	• •	
Priority under 35 U.S.C. § 119				
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>				
Attachment(s)  1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 4/25/05.	Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application		

Application/Control Number: 10/532,604

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
  - 1. Determining the scope and contents of the prior art.
  - 2. Ascertaining the differences between the prior art and the claims at issue.
  - 3. Resolving the level of ordinary skill in the pertinent art.
  - 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 3. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shiina
- 4. The patent shows heavy duty tire tread compositions, see the abstract. The use of solution polymerized styrene butadiene modified with tin is shown at [0018]-[0039]. The claimed hydorazone compound is shown at [0065]. Silica and carbon black are disclosed at [0168]-[0169]. The difference between this patent and the cited patent is that the tin modification is in the chain and optional at the terminal. The patent suggests introducing the tin in the chain as well as the terminal [0018]. As such, the claimed modification is obvious. The bound styrene content is considered anticipated or obvious

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from the disclosed solution polymerized which results in polymers having the claimed properties.

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter D. Mulcahy whose telephone number is 571-272-1107. The examiner can normally be reached on Mon.-Fri. 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on 571-272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> Primary Examiner Art Unit 1713